ABSTRACT OF THE DISCLOSURE

The contrast between solder balls and substrate of a
Ball Grid Array (BGA) as visualized by a camera of a
computer vision system is improved sufficiently to enable
reliable recognition in the poor contrast situation when
the balls are silver colored and the substrate background
is white or light colored by illuminating the BGA with
polarized light, and the camera viewing the light reflected
from the BGA via a polarization filter oriented to not pass
light reflected from the solder balls but to pass light
reflected from the substrate.